

# ABSTRACT OF THE DISCLOSURE

Among users, there are two kinds of users, i.e., users who want to give priority to resolution and users who want to give priority to gradation, and  
5 reading modes desired by the respective users could not be provided by a single product. In the image reading apparatus having a light source for applying light to an image, moving means for moving a carriage unit including the light source, a CCD for converting  
10 reflected light into a voltage, an A/D converter for converting an analog signal outputted from the CCD into a digital signal, and a driving signal generating part for supplying a driving signal to the CCD and the A/D converter, the moving speed of the  
15 carriage unit is not changed, but there are held a plurality of kinds of signal patterns supplied by the driving signal generating part.